

WHAT IS CLAIMED IS:

1. A connector for optical transmitting and receiving device,
comprising:

a housing provided with a chamber and a plug jack, on outer
5 surface of both opposite sidewalls of the housing respectively formed
with a groove, between one of the sidewalls and the chamber thereof two
lugs and a recess defined, and on wall of the recess provided with a
through hole;

a spring received in the recess in a manner that an end of which
10 protrudes out of the housing and another end of the same inserts through
the through hole on the wall of the recess;

an assembly part including at least a top portion and a pair of
first opposite sidewalls, a window formed at the top portion and an open
mouth formed opposite to the top portion, on the internal surface of a pair
15 of second opposite sidewalls which stand perpendicular to the top portion
provided with reducing holes, the paired first opposite sidewalls provided
with protrusions, at least between one of the paired opposite first
sidewalls and the top portion provided with cavities, and thus the
assembly part firmly fixed to the housing by the insertion of the lugs of
20 the housing in the respective cavities in the assembly part; and

a cover, at a side of which, provided with a shaft, the shaft
serving to engage in the bigger-radius portion of the holes of the
assembly part, an end of the spring employed to push against the bottom

of the cover.

2. The connector for optical transmitting and receiving device as claimed in claim 1, wherein a positioning notch is provided on a bottom of the cover for fitting with an end of the spring.

5 3. The connector for optical transmitting and receiving device as claimed in claim 1, wherein a positioning notch is provided on a bottom of the cover, the positioning notch is formed by an interval between two parallel opposite protruding plates.

10 4. The connector for optical transmitting and receiving device as claimed in claim 1, wherein a groove is provided on a top surface of the cover.

5. The connector for optical transmitting and receiving device as claimed in claim 4, wherein the cover is provided on its top surface with a groove, in the groove is further defined a big-radius cavity.

15 6. The connector for optical transmitting and receiving device as claimed in claim 1, wherein the cover is provided on its top surface with a groove, in the groove is further defined a big-radius cavity.

20 7. The connector for optical transmitting and receiving device as claimed in claim 1, wherein between the paired first opposite sidewalls and the top portion of the assembly part is provided with shoulder portions, the shoulder portions are defined with cavities for engaging with the plugs of the housing.

8. The connector for optical transmitting and receiving device as

claimed in claim 1, wherein the holes on the assembly part extend to the window.

9. The connector for optical transmitting and receiving device as claimed in claim 1, wherein a chute is provided at the both sides of the housing for fitting a first and a second ends of the spring respectively, by
5 such arrangements, the spring is firmly positioned.